

HOW TO USE PURINA VAPONA[®] INSECT SPRAY CONCENTRATE

(Read Precautions and Warnings Before Using)

ANIMAL BUILDINGS

To Control Flies, Gnats, Mosquitoes, Roaches, Fleas, Brown Dog Ticks, Ants, and Sowbugs: Mix 1 pint of Vapona Insect Spray Concentrate with 6 gallons of water (5 1/3 tablespoonfuls per gallon). Apply as a coarse wet spray at the rate of 1 quart per 1,000 square feet. Before applying in enclosed areas, reduce air movement as much as possible by closing doors, windows, and other openings. Do not contaminate water, feed or foodstuffs, milk or milking utensils. Repeat as necessary.

Dairy Barns, Livestock Buildings, Pig Pens, Stables, and Outdoor Areas. Spray inside and outside surfaces especially around doorways, window sills, alleyways, and feed storage rooms. Keep animals out of buildings while spraying. Do not contaminate milk or milking utensils.

Penalty Houses

For Flies: Apply as a coarse spray to droppings beneath cages, to window sills, to ground cage supports, and to vegetation surrounding building. Do not spray over the heads of birds.

For Maggots: Apply 1-2 quarts of dilute solution to each 100 square feet of dropping area. Do not use for maggots in controlled environment houses when birds are present.

Dog Kennels

Apply to outside runways, window sills and ledges. For the control of fleas and brown dog ticks, apply 2 quarts of mixed solution per 1,000 square feet.

CATTLE FEEDLOTS, CORRALS, STOCKYARDS

To Control Flies, Gnats, and Mosquitoes: Mix 1 pint of Vapona Insect Spray Concentrate with 6 gallons of water. Apply as a fine mist from mist blower or hydraulic sprayer equipped with atomizing nozzles. Use at the rate of 5 gallons per acre. Particular attention should be given to areas where flies congregate such as fences, spillage areas around feed bunks, and walls of buildings. Animals may be present during treatment. Avoid direct application to exposed feed and water. For baited solutions dissolve 1 pound of sugar per 5 gallons of water before adding the product.

FOGGING ANIMAL BUILDINGS

To Control Flies, Gnats, and Mosquitoes: Mix 1 pint of Vapona Insect Spray Concentrate with 7 gallons of diesel oil (4 2/3 tablespoonfuls per gallon). Apply at the rate of 1 quart of mixed oil solution per 8,000 cubic feet. Before applying reduce air movement as much as possible by closing doors, windows, and other openings. Do not contaminate water, feed or foodstuffs, milk or milking utensils. Do not use this solution for fogging purposes in areas where animals have received direct application of this insecticide within 8 hours. Remove animals before fogging; keep animals out until air has cleared.

FOOD PROCESSING PLANTS, WAREHOUSES, RESTAURANTS

To Control Flies, Mosquitoes, Wasps, Cockroaches, Spiders, Ants, Silverfish, and Sowbugs: Mix 1/2 pint of Vapona Insect Spray Concentrate with 3 gallons of water

(5 1/3 tablespoonfuls per gallon). Apply as a coarse wet spray with a low pressure sprayer to infested areas around baseboards, cracks, door and window frames, and walls.

PRECAUTIONS IN USING

DANGER! VAPONA INSECT SPRAY CONCENTRATE AND ITS DILUTIONS ARE POISONOUS IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN OR EYES. RAPIDLY ABSORBED THROUGH SKIN. REPEATED INHALATION OR SKIN CONTACT MAY, WITHOUT SYMPTOMS, PROGRESSIVELY INCREASE SUSCEPTIBILITY TO VAPONA INSECTICIDE POISONING.

Do not swallow or get in eyes, on skin, or on clothing. Do not breathe vapors. Avoid prolonged exposure to vapor. Do not apply in areas which will be contacted frequently by children. Keep children away from treated areas until surfaces are dry. Keep out of reach of children and domestic animals. Do not contaminate water, feed or foodstuffs. Keep away from heat and open flame.

Mix the concentrate in water or oil out of doors or in a well ventilated room. Wash any spillage off the outside of the container of concentrate with running water before storing away in a safe place. Mix only the amount of spray that will be used immediately.

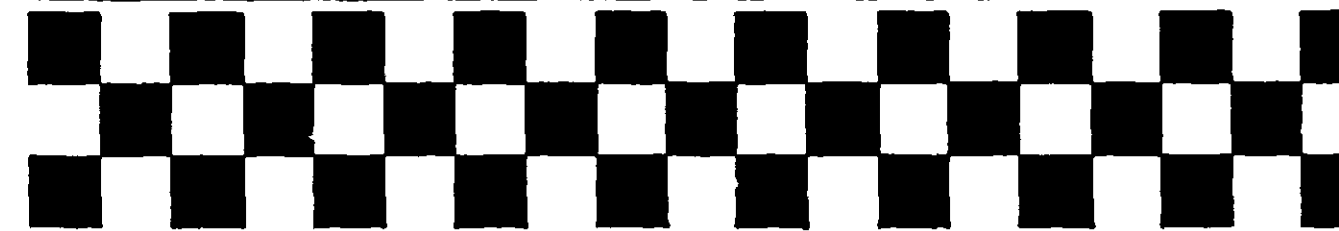
Wear clean natural rubber gloves, clean protective clothing, and goggles. Replace gloves frequently and destroy used gloves. Wear a mask or respirator of a type passed by the U.S. Department of Agriculture for Vapona Insecticide protection. Wash thoroughly with soap and water after handling and before eating or smoking. If the material gets into the eyes, immediately flush with water for at least 10 minutes and get medical attention. In case of contact, remove all contaminated clothing and wash skin with soap and water; wash clothing before re-use. In case of spillage, wash down with large amounts of water. Decontaminate areas and equipment by washing with concentrated solutions of alkali and detergent and rinse with water. Keep all unprotected humans or beneficial animals out of operational area.

NOTE: Caution! Avoid skin and eye contamination when handling strong caustic solutions.

Toxic to fish and wildlife. Keep out of any body of water. Apply this product only as specified on this label. Do not apply when weather conditions favor drift of spray from areas treated.

DECONTAMINATE AND DESTROY USED CONTAINER: Do not re-use for any purpose. Decontaminate containers by rinsing thoroughly with water and detergent. Destroy containers by breaking and burying fragments in an isolated area. Dispose of rinsings in a way as not to constitute a hazard or contaminate water supplies.

PURINA VAPONA INSECT SPRAY CONCENTRATE



Contains 2.0 lbs. Vapona[®] Insecticide Per Gallon

Active Ingredients:

2,2-dichlorovinyl dimethyl phosphate**	22.8
Related Compounds**	1.7
Xylene	64.5
Inert Ingredients	11.0
	<hr/> 100.0

*Registered trademark Shell Chemical Company
**Equivalent to 24.5% by weight Vapona[®] Insecticide

DANGER: KEEP OUT OF REACH OF CHILDREN AND DOMESTIC ANIMALS

See antidote statement and other required warning statements on back panel



POISON

Manufactured By
RALSTON PURINA COMPANY
General Offices • Checkerboard Square • St. Louis, Missouri 631

QUALITY CONTROLLED BY PURINA RESEARCH

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SPRAY CONCENTRATE

Apply as a coarse wet spray with a low pressure spray-
nozzle. Apply to cracks, door and window frames, and walls.

PRECAUTIONS IN USING

VAPONA INSECT SPRAY CONCENTRATE AND ITS DILUTIONS
ARE RAPIDLY ABSORBED THROUGH SKIN. REPEATED
CONTACT MAY, WITHOUT SYMPTOMS, PRO-
DUCE AN INCREASED SUSCEPTIBILITY TO VAPONA INSECTICIDE

Do not get in eyes, on skin, or on clothing. Do not breathe vapors. Avoid
contact with vapors. Do not apply in areas which will be contacted fre-
quently. Keep children away from treated areas until surfaces are dry.
Keep away from children and domestic animals. Do not contaminate food, feed
or water. Keep away from heat and open flame.

Wash the outside of the container of concentrate with running water before
disposing of it in a safe place. Mix only the amount of spray that will be used

Wash hands with soap and water. Wash face, neck, and clothing. Replace
and destroy used gloves. Wear a mask or respirator of a type passed
department of Agriculture for Vapona Insecticide protection. Wash
with soap and water after handling and before eating or smoking. If the
material gets into the eyes, immediately flush with water for at least 10 minutes and
wash with water. In case of contact, remove all contaminated clothing and wash
with water; wash clothing before re-use. In case of spillage, wash down
with water. Decontaminate areas and equipment by washing with
dilutions of alkali and detergent and rinse with water. Keep all unpro-
fessional beneficial animals out of operational area.

Avoid skin and eye contamination when handling strong caustic

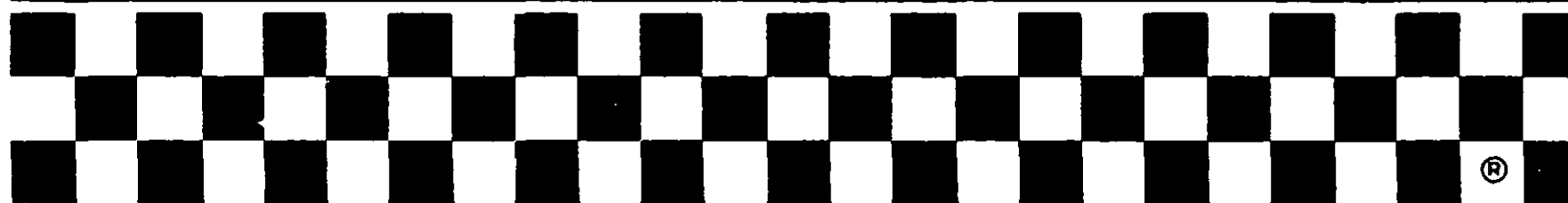
and wildlife. Keep out of any body of water. Apply this product only as
indicated on label. Do not apply when weather conditions favor drift of spray

DISPOSE AND DESTROY USED CONTAINER: Do not re-use for any
purpose. Decontaminate containers by rinsing thoroughly with water and detergent.
Break up and burying fragments in an isolated area. Dispose of
residue as not to constitute a hazard or contaminant to water supplies.

PURINA RESEARCH

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PURINA VAPONA INSECT SPRAY CONCENTRATE



Contains 2.0 lbs. Vapona* Insecticide Per Gallon

Active Ingredients:

2,2-dichlorovinyl dimethyl phosphate**	22.8%
Related Compounds**	1.7%
Xylene	64.5%
Inert Ingredients	11.0%
	<u>100.0%</u>

*Registered trademark Shell Chemical Company
**Equivalent to 24.5% by weight Vapona* Insecticide



POISON

DANGER: KEEP OUT OF REACH OF CHILDREN AND DOMESTIC ANIMALS
See antidote statement and other required warning statements on back panel.

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RALSTON PURINA COMPANY
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ANTIDOTE AND FIRST AID TREATMENT

Atropine is the emergency antidote for Vapona Insecticide poisoning. Advise your physician about obtaining an adequate supply of 1-100-grain tablets for emergency use. CALL A PHYSICIAN IMMEDIATELY IN CASE OF SUSPECTED POISONING.

INTERNAL: If the material has been swallowed, induce vomiting. This may be done by introducing a finger into the throat or by giving warm water (1 tablespoon of salt to a glass of water). NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

EXTERNAL: If the material has been spilled on the skin, immerse the patient from the vicinity of the insecticide, remove all contaminated clothing, wash skin with soap and running water. If the material gets into the eyes, immediately with running water for at least ten minutes.

IF WARNING SYMPTOMS APPEAR: Administer two 1-100-grain tablets of atropine immediately. NEVER ADMINISTER ATROPINE UNLESS WARNING SYMPTOMS APPEAR. (See WARNING SYMPTOMS below.) Keep patient lying down. Start artificial respiration immediately if patient is not breathing. Transport patient immediately to the nearest physician.

NOTE TO PHYSICIAN

WARNING SYMPTOMS: Symptoms include weakness, headache, blurred vision, non-reactive pin-point pupils, salivation, sweating, nausea, diarrhea and abdominal cramps.

TREATMENT: Atropine is the specific therapeutic antagonist of the parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation, atropine sulfate should be injected at 10-minute intervals in doses of 1 to 2 milligrams until complete atropinization is achieved. Morphine is contraindicated.

Clear chest by postural drainage. Oxygen administration may be necessary. Observe patient continuously for 48 hours.

Repeated exposure to cholinesterase inhibitors may, without warning, result in prolonged susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until time for cholinesterase reagent test is allowed as determined by blood test.

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